

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A semiconductor device comprising:

a plurality of semiconductor elements arranged on a substrate; and

a main current electrode, which is formed by a piece of metal, which is arranged near said plurality of semiconductor elements and vertically apart from the surface of the substrate, wherein

each of said plurality of semiconductor elements and said main current electrode are electrically connected, and wherein said main current electrode bridges from one end of the substrate to an opposite end of the substrate and is arranged immediately above one of said plurality of semiconductor elements or wiring pattern connected to the one of said plurality of semiconductor elements.

2. (Original) The semiconductor device according to claim 1, wherein

each of said plurality of semiconductor elements and said main current electrode are connected by wire bonding.

3. (Original) The semiconductor device according to claim 1, wherein

said plurality of semiconductor elements are switching elements.

4. (Original) The semiconductor device according to claim 1, further comprising

a thermal conductor at a bottom of the semiconductor device, wherein

said plurality of semiconductor elements are directly or indirectly connected to said thermal conductor member so that they are thermally coupled.

5. (Original) The semiconductor device according to claim 4, wherein

said thermal conductor member is formed with a ceramic material.

6. (Original) The semiconductor device according to claim 1, wherein
said plurality of semiconductor elements are arranged in one row or a plurality of
rows.

7. (Currently Amended) A semiconductor device including one or a plurality of
semiconductor elements, comprising:

a substrate on which the one or the plurality of semiconductor elements are arranged;
a case that is arranged in a predetermined position relative to said substrate so that one
of the plurality of semiconductor elements are surrounded; and
a metal member on which a main current electrode of the one of the plurality of
semiconductor elements and a terminal for electrically connecting said semiconductor device
and a circuit external to said semiconductor device are formed integrally, wherein said metal
member is arranged in a position apart from said substrate by using said case without directly
contacting said substrate, and wherein said metal member bridges from one end of the
substrate to an opposite end of the substrate.

8. (Currently Amended) The semiconductor device according to claim 7, wherein
said metal member is arranged above the one or of the plurality of semiconductor
elements or a wiring pattern connected to the one or of the plurality of semiconductor
elements.

9. (Original) The semiconductor device according to claim 7, wherein
said metal member and the semiconductor device are electrically connected by wire
bonding.

DOCKET NO.: TIC-0010
Application No.: 10/019,201
Office Action Dated: November 14, 2003

PATENT

10. (Currently Amended) The semiconductor device according to claim 7, wherein:
 said case includes a frame portion surrounding the one or of the plurality of
 semiconductor elements; and
 said metal member is fixed to the frame portion of said case.